

Response Dated April 8, 2009

Reply to Final Office Action January 14, 2009

Table 4.1.1 Product data for Maxis '97 trial material.

| Sample                               | FI overall | Density        | MI low Mwt<br>(GPC) | FI high Mwt<br>(Rheology) | Weight fraction<br>high Mwt<br>(Rheology) |
|--------------------------------------|------------|----------------|---------------------|---------------------------|---|
| <b>May '97 targets</b>               |            |                |                     |                           |   |
| HDX4505F                             | 3.7 - 5.2  | 0.944 - 0.948  | 750 - 1750          | 0.30 - 0.60               | 0.63 - 0.66                               |
| HDX89 1                              | 3.7 -- 5.2 | 0.953 -- 0.958 |                     |                           |   |
| <b>May '97 Product</b>               |            |                |                     |                           |   |
| HDX4505F - 3706                      | 3.8        | 0.943          | 1300                | 0.42                      | 0.60                                      |
| HDX89 1 -- 3706                      | 3.6        | 0.954          |                     |                           |   |
| HDX4505F -- 3714                     | 4.8        | 0.946          | 1300                | 0.37                      | 0.58                                      |
| HDX89 1 -- 3714                      | 5.0        | 0.957          |                     |                           |   |
| <b>Pilot Plant Prototype Samples</b> |            |                |                     |                           |   |
| 160303D                              | 4.6        | 0.947          | 1060                | 0.46                      | 0.63                                      |
| 260720B                              | 7.2        | 0.947          | 1260                | 0.62                      | 0.63                                      |
| 260815C                              | 4.3        | 0.944          | 3170                | 0.33                      | 0.64                                      |
| 260815D                              | 4.2        | 0.944          | 1760                | 0.59                      | 0.65                                      |
| 261130E                              | 5.0        | 0.947          | 2380                | 0.47                      | 0.63                                      |
| 261202A                              | 5.5        | 0.946          | 850                 | 0.49                      | 0.62                                      |

Note HDX 4505F is the reactor grade for Maxis PEIOO grade HDX891.